

1 ABSTRACT OF THE DISCLOSURE
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3 A refillable container includes a filling valve, and a
4 pressurization station having housing at which a needle is
5 coupled to a compressor. The needle includes an enlarged
6 frustoconical head, a reduced diameter neck, and a larger
7 diameter base. The filling valve has an upper split
8 portion, a frustoconical section expanding downward and
9 terminating in a barb, and a lower flared flange, and
10 defines an interior space having a first portion sized to
11 accommodate the head of the needle, a reduced diameter neck
12 portion, and a flared third portion providing an entrance
13 for the needle. Upon compressor actuation, air is forced
14 into the valve and causes the bills of the valve to flutter
15 open to pressurize the container. As pressure within the
16 container increases, force against the valve from within
17 the container increases, locking the container on the
18 needle. The container may be guided onto the needle with
19 minimal effort.

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